

social studies



of Science and Technology

A new field of studies:

Social Studies of Science and Technology

A new field of studies has been developing in the last ten years in the U.S., Britain and Canada. Its main concern is with those aspects of civilization which are characterized by what we call science and technology. It looks at the community of scientists, the emergence of new disciplines, the justification of new ideas, the financing of research, the political dimensions of scientific activity, the common conceptions and misconceptions about science. It examines the economic basis of technological development, the relationship between research, invention and innovation, the history of industrialization, the effects of development on other cultures. Finally, science, technology and values are studied in relation to society as a whole and the individual, in an attempt to understand the contemporary and historical debates and events which characterize Western culture.

introductory lectures and reading material.

1st term (416A)

Science, Technology and Society:
The New Field
Stereotypes of Science and Technology
Science and Ethics
Science and Rationality
Professional Science and the rise of
Big Science
Science in service of the State

2nd term (463B)

The Technological Imperative
Rise of the Technocracy
Alienation in a Technological Age
The Economics of Innovation
Medical Technology and the New Biology
Technology and the Developing Nations
Profiles of the Future

Sample titles of the second term seminar with 10 students maximum per series.

Each series of seminars will be led by a different faculty member with a different topic. Students will have the option of choosing which seminar they will join. The following is a list of sample titles. (Actual titles to be decided).

From Magic to Science, Science Policy in Canada, Science and Ideology: The Lysenko Affair, Science and Technology in China, Science and Religion, Science and the Military, The Politics of science: the Sociobiology Debate,

Appropriate Technology: The Green Revolution, Science and Social Responsibility, Sociology of Science, Science, Technology and Development, Social Impact of Technology, Science and Politics.

**Open to all Arts and Science students.
No prerequisites required!**

For further information contact:

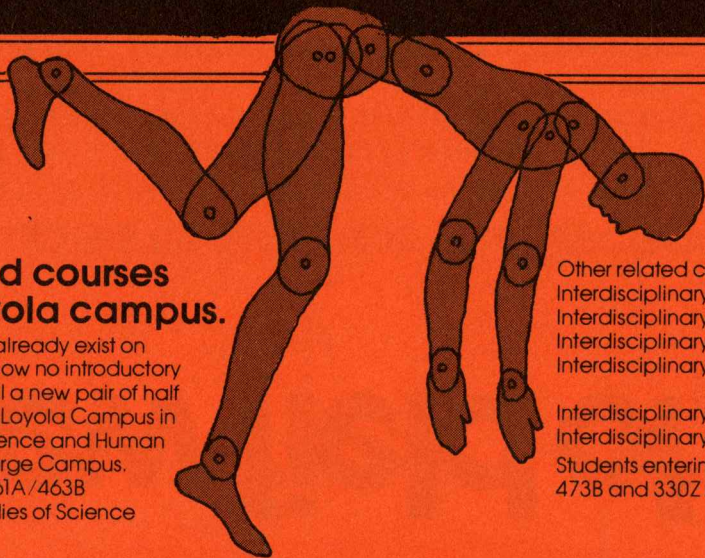
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Existing related courses offered at Loyola campus.

Some courses in this field already exist on Loyola Campus but until now no introductory course has existed. This fall a new pair of half courses will be offered on Loyola Campus in collaboration with the Science and Human Affairs program at Sir George Campus. Interdisciplinary Studies 461A/463B Introduction to Social Studies of Science and Technology.



Other related courses offered on Loyola Campus:

Interdisciplinary Studies 330Z6	Environmental Studies
Interdisciplinary Studies 336Z6	The Technological Society
Interdisciplinary Studies 364Z6	Scientists and the State
Interdisciplinary Studies 370Z6	"Three Quarks for Muster Mark"
	Dialogue between Science and the Arts
Interdisciplinary Studies 390Z6	Introduction to Future Studies
Interdisciplinary Studies 460Z6	Science and Cultural Crisis

Students entering first year should take Interdisciplinary Studies 461A and 473B and 330Z before taking the other courses.

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